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<212> Type : DNA
<211> Length : 2643
SequenceName : 2814
SequenceDescription :

Custom Codon

Sequence Name : 2814

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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QAAGR VDEYI VDSAKTLLSY MGIPFVDAPS EG EAQAAYMA AKGDVEY TGS QDYDSL LFGS
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PRLARNLAIT GKRKLPGKNV YVDVKPEIII LESNLKRLGL TREQLIDIAI LVGTDYNEGV
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KGVGVKKALN YIKTYGDIFR ALKALKVNID HVEEIRNFFL NPPVTDDYRI EFREPDFEKA
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IEFLCEEHDF SRERVEKALE KLKALKSTQA TLERWFLEEA PWPPPEGAFV GFVLSRPEPM
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WAE LKALAAC RGGRVHRAAD PLAGLKDLKE VRGLLAKDLA VLASREGLDL VPGDDPMLLA
420
YLLGPSNTTP EG VARRYGGE WTEDA AHRAL L SERLHRNLL KRLEGEEKLL WLYHEVEKPL
480
SRVLAHMEAT GVRLDVAYLQ ALSLELAEEI RRLEEEVFRL AGHPFNLNSR DQLERVLFDE
540
LRLPALKKTK KTGKRSTSAA VLEALRE AHP IVEKILQHRE LTKLKNTYVD PLPSLVHPRT
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GRLHTRFNQT ATATGRLSSS DPNLQNIPVR TPLGQRIRRA FVAEAGWALV ALDYSQIELR
660
VLAHLSGDEN LIRVFQEGKD IHTQTASWMF GVPPEAVDPL MRRAAKTVNF GVLYGMSAHR
720
LSQELAIPYE EAVAFIER YF QSF PKVRAWI EKTLEEGRKR GYVETLFGRR RYVPDLNARV
780
KSVREAAERM AFNMPVQGT A ADLMK LAMVK LFPRLREMG A RMLLQVANEL LLEAPQARAE
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881
<212> Type : PRT
<211> Length : 881
SequenceName : 2815
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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cagcctgacg gtacgccgtt aaaggactca cagggcagaa tcacctctca cctttccgga
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2004-03-09 10:00:00

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<212> Type : DNA
<211> Length : 2619
SequenceName : 2816
SequenceDescription :

Custom Codon

Sequence Name : 2816

Sequence

<213> OrganismName : Artificial Sequence
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ILYRVSNMVE VGIRPVFVFD GEPPEFKKAE IEERKKRRAE AEEMWIAALQ AGDKDAKKYA
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QAAGRVD EYI VDSAKTLLSY MGIPFVDAPS EGEAQAA YMA AKGDVEYTGS QDYDSL LFGS
180
PRLARNLAIT GKRKLPGKNV YVDVKPEIII LESNLKRLGL TREQLIDIAI LVGTDYNEG V
240
KGVGVKKALN YIKTYGDIFR ALKALKVNID HVEEIRNFFL NPPVTDDYRI EFREPDFEKA
300
IEFLCEEHDF SRERVEKALE KALKKSTLE EAPWPPPEGA FVG FVLSRPE PMWAE LKALA
360
ACRGRVHRA ADPLAGLKDL KEVRGLLAKD LAVLASREGL DLVPGDDPML LAYLLGPSNT
420
TPEGVARRYG GEWTEDAAHR ALLSERLHRN LLKRLEGE EK LLWLYHEVEK PLSRVLAHME
480
ATGVRLDVAY LQALSLELAE EIRLREEEVF RLAGHPFNLN SRDQLERVLF DELRLPALKK
540
TKKTGKRSTS AAVLEALREA HPIVEKILQH RELTKLKNTY VDPLPSLVHP RTGRLHTRFN
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QTATATGRLS SSDPNLQNIP VRTPLGQRIR RAFVAEAGWA LVALDYSQIE LRVLAHLSGD
660
ENLIRVFQEG KDIHTQTASW MFGVPPEAVD PLMRRAAKTV NFGVLYGMSA HRLSQELAIP
720
YEEAVAFIER YFQSF PKVRA WIEKTLEEGR KRGYVETLFG RRRYVPDLNA RVKSVREAAE
780
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<212> Type : PRT
<211> Length : 873
SequenceName : 2817
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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 <212> Type : DNA
 <211> Length : 2445
 SequenceName : 2818
 SequenceDescription :

Custom Codon

Sequence Name : 2818

Sequence

<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 VIVVFDKAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGLERL EVPGFEADDV
 120
 LATLAKKAEK EGYEVRILTA DKDLYQLLSD RIHVLHPEGY LITPAWLWEK YGLRPDQWAD
 180
 YRALTGDESD NLPGVKGIGE KTARKLLEEW GSLEALLKNL DRLKPAIREK ILAHMDDLKL
 240
 SWDLAKVRTD LPLEVDFAKR REPDRGEKP REEAPWPPPE GAFVGFLLSR PEPMWAEKLA
 300
 LAACRGGRVH RAADPLAGLK DLKEVRGLLA KDLAVALASRE GLDLVPGDDP MLLAYLLGPS
 360
 NTTPEGVARR YGGEWTEA HRALLSERLH RNLLKRLEGE EKLLWLYHEV EKPLSRVLAH
 420
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 FNQTATATGR LSSSDPNLQN IPVRTPLGQR IRRAFVAEAG WALVALDYSQ IELRVLAHLS
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 GDENLIRVFQ EGKDIHTQTA SWMFGVPPEA VDPLMRRAAK TVNFGVLYGM SAHRLSQELA
 660
 IPYEEAVAFI ERYFQSFPKV RAWIEKTLEE GRKRGYVETL FGRRRYVPDL NARVKSUREA
 720
 AERMAFNMPV QGTAADLMKL AMVKLFPRLR EMGARMLLQV ANELLLEAPQ ARAEEVAALA
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 815

<212> Type : PRT

<211> Length : 815

SequenceName : 2819

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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2520

<212> Type : DNA
<211> Length : 2520
SequenceName : 2820
SequenceDescription :

Custom Codon

Sequence Name : 2820

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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<212> Type : DNA

<211> Length : 2445

SequenceName : 2822

SequenceDescription :

Custom Codon

Sequence Name : 2822

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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LATLAKKAEK EGYEVRIITA DKDLYQLLSL RIHVLHPEGY LITPAWLWEK YGLRPDQWAD
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YRALTGDESD NLPGVKGIGE KTARKLLEEW GSLEALLKNL DRLKPAIREK ILAHMDDLKL
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SWDLAKVRTD LPLEVDFAKR REPDREGEKP REEAPWPPPE GAFVGFLLSR PEPMWAELKA
300
LAACRGGRVH RAADPLAGLK DLKEVRGLLA KDGLAVLASRE GLDLVPGDDP MLLAYLLGPS
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NTTPEGVARR YGGEWTEDEA HRALLSERLH RNLLKRLEGE EKLLWLYHEV EKPLSRVLAH
420
MEATGVRLDV AYLQALSLEL AEEIRRLEEE VFRLAGHPFN LNSRDQLERV LFDELRLPAL
480
KKTGKTGKRS TSAAVLEALR EAHPIVEKIL QHRELTKLKN TYVDPLPSLV HPRTGRLHTR
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FNQTATATGR LSSSDPNLQN IPVRTPLGQR IRRAFVAEAG WALVALDYSQ IELRVLAHLS
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GDENLIRVFQ EGKDIHTQTA SWMFGVPPEA VDPLMRRAAK TVNFGVLYGM SAHRLSQELA
660
IPYEEAVAFI ERYFQSFPAKV RAWIEKTLLE GRKRGYVETL FGRRRYVPDL NARVKSUREA
720
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KEAMEKAYPL AVPLEVEVGM GEDWLSAKGH HHHHH
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<212> Type : PRT
<211> Length : 815
SequenceName : 2823
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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2160
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2280

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<212> Type : DNA
<211> Length : 2520
SequenceName : 2824
SequenceDescription :

Custom Codon

Sequence Name : 2824

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GDAVIVVFDA KAPSRHEAY GGYKAGRAPT PEDFPRQLAL VKRLVDLLGF TRLEAPGYEA
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DDVLGTLAKK AEKEGYEVRI LTADRDLYQL VSDRIHVLHP EGYLITPEWL WEKYGLKPSQ
180
WVDYRALAGD PSDNIPGVKG IGEKTAAKLI REWGSLENLL KNLDRLKPAI REKILAHMDD
240
LKLSWDLAKV RTDLPLEVDF AKRREPDRER LRAFLERLEF GSLLHEFGLL ESPKALEEAP
300
WPPPEGAFVG FVLSRPEPMW AELKALAACR GGRVHRAADP LAGLKDLKEV RGLLAKDLAV
360
LASREGLDLV PGDDPMLLAY LLGPSNTTPE GVARRYGGEW TEDAAHRALL SERLHRNLLK
420
RLEGEEKLLW LYHEVEKPLS RVLAHMEATG VRLDVAYLQA LSLELAEER RLEEEVFRLA
480
GHPFNLSRD QLERVLFDEL RLPALKKTKK TGKRSTSAAV LEALREAHPI VEKILQHREL
540
TKLKNTYVDP LPSLVHPTG RLHTRFNQTA TATGRLSSSD PNLQNIPIV RT PLGQIRIRAF
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VAEAGWALVA LDYSQIELRV LAHLSGDENL IRVFQEGKDI HTQTASWMFG VPPEAVDPLM
660
RRAAKTVNFG VLYGMSAHLR SQELAIPYEE AVAFIERYFQ SFPKVRAWIE KTLLEGRKRG
720
YVETLFGRRR YVPDLNARVK SVREAAERMA FNMPVQGTAA DLMKLAMVKL FPRLEMGAR
780
MLLQVANELL LEAPQARAEE VAALAKEAME KAYPLAVPLE VEVGMGEDWL SAKGHHHHHH
840

<212> Type : PRT
<211> Length : 840
SequenceName : 2825
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2445

<212> Type : DNA

<211> Length : 2445

SequenceName : 2826

SequenceDescription :

Custom Codon

Sequence Name : 2826

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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VIVVFDAEAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGLERL EVPGFEADDV
120
LATLAKKAEK EGYEVRILTA DKDLYQLLSD RIHVLHPEGY LITPAWLWEK YGLRPDQWAD
180
YRALTGDESD NLPGVKGIGE KTARKLLEEW GSLEALLKNL DRLKPAIREK ILAHMDDLKL
240
SWDLAKVRTD LPLEVDFAKR REPDREGEKP REEAPWPPPE GAFVGFLLSR PEPMAELKA
300
LAACRGGRVH RAADPLAGLK DLKEVRGLLA KDLAVLASRE GLDLVPGDDP MLLAYLLGPS
360
NTTPEGVARR YGGEWTEAEE HRALLSERLH RNLLKRLEGE EKLLWLYHEV EKPLSRVLAH
420
MEATGVRLDV AYLQALSLEL AEEIRRLEEE VFRLAGHPFN LNSRDQLERV LFDELRLPAL
480
KKTKKTKGRS TSAAVLEALR EAHPIVEKIL QHRELTKLKN TYVDPLPSLV HPRTGRLHTR
540
FNQTATATGR LSSSDPNLQN IPVRTPLGQR IRRAFVAEAG WALVALDYSQ IELRVLAHLS
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GDENLIRVFQ EGKDIHTQTA SWMFGVPPEA VDPLMRRAAK TVNFGVLYGM SAHRLSQELA
660
IPYEEAVAFI ERYFQSFPKV RAWIEKTLEE GRKRGYVETL FGRRRYVPDL NARVKSVREA
720
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815

<212> Type : PRT
<211> Length : 815
SequenceName : 2827
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2445

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<212> Type : DNA

<211> Length : 2445

SequenceName : 2828

SequenceDescription :

Custom Codon

Sequence Name : 2828

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
LATLAKKAEK EGYEVRIITA DKDLYQLLSD RIHVLHPEGY LITPAWLWEK YGLRPDQWAD
180
YRALTGDESD NLPGVKGIGE KTARKLLEEW GSLEALLKNL DRLKPAIREK ILAHMDDLKL
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SWDLAKVRTD LPLEVDFAKR REPDREGEKP REEAPWPPPE GAFVGFLLSR PEPMWAE LKA
300
LAACRGGRVH RAADPLAGLK DLKEVRGLLA KD LAVLASRE GLDLVPGDDP MLLAYLLGPS
360
NTTPEGVARR YGGEWTE DAA HRALLSERLH RNLLKRLEGE EKLLWLYHEV EKPLSRVLAH
420
MEATGVRLDV AYLQALSLEL AEEIRRL EEE VFRLAGHPFN LNSRDQLERV LFDELRLPAL
480
KTKTKTGKRS TSAAVLEALR EAHPIVEKIL QHRELTKLKN TYVDPLPSLV HPRTGRLHTR
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 IPYEEAVAFI ERYFQSFPKV RAWIEKTLER GRKRGYVETL FGRRRYVPDL NARVKSUREA
 720
 AERMAFNMPV QGTAADLMKL AMVKLFPRLR EMGARMMLQV ANELLLEAPQ ARAEEVAALA
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 815
 <212> Type : PRT
 <211> Length : 815
 SequenceName : 2829
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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2340
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gtggaggtgg ggatggggga ggactggctt tccgccaagg gtcaccacca ccaccaccac
2520

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<212> Type : DNA
<211> Length : 2520
      SequenceName : 2830
      SequenceDescription :

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Custom Codon

Sequence Name : 2830

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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60
GDAIVVFDFA EAPSRHEAY GGYKAGRAPT PEDFPRQLAL IKELVDLLGF TRLEVPGYEA
120
DDVLATLAKK AEKEGYEVRI LTADKDLYQL LSDRIHVLHP EGYLITPAWL WEKYGLRPDQ

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180
WADYRALTGD ESDNLPGVKG IGEKTALKLL KEWGSLEALL KNLDRLKPAI REKILAHMDD
240
LKLSWDLAKV RTDLPLEVDF AKRREPDREG LKAFLELLEF GSLLHEFGLL GGEKPREEAP
300
WPPPEGAFVG FVLSRKEPMW ADLLALAACR GGRVHRAADP LAGLKDLEKEV RGLLAKDLAV
360
LASREGLDLV PGDDPMLLAY LLGPSNTTPE GVARRYGGEW TEDAAHRALL SERLHRNLLK
420
RLEGEKLLW LYHEVEKPLS RVLAHMEATG VRLDVAYLQA LSLELAEEIR RLEEEVFRLA
480
GHPFNLNSRD QLERVLFDEL RLPALKKTKK TGKRSTSAAV LEALREAHPI VEKILQHREL
540
TKLKNTYVDP LPSLVHPRTG RLHTRFNQTA TATGRLSSSD PNLQNIPVRT PLGQRIRRAF
600
VAEAGWALVA LDYSQIELRV LAHLSGDENL IRVFQEGKDI HTQTASWMFG VPPEAVDPLM
660
RRAAKTVNFG VLYGMSAHLR SQELAIPYEE AVAFIERYFQ SFPKVRWIE KTLEEGRKRG
720
YVETLFGRRR YVPDLNARVK SVREAAERMA FNMPVQGTAA DLMKLMVKL FPRLREMGAR
780
MLLQVANELL LEAPQARAE VAALAKEAME KAYPLAVPLE VEVGMGEDWL SAKGHHHHHH
840

<212> Type : PRT
<211> Length : 840
SequenceName : 2831
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccacctgg cctaccgcac cttcttcgcc ctgaagggcc tcaccaccag ccgcggggag
120
ccggtgcaga tgggtctacg cttcgccccg agcctcctca aggccttgaa ggaggacgga
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 2400
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 caccac
 2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2832

SequenceDescription :

Custom Codon

Sequence Name : 2832

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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QAVVVVFDK APSFRHEAYE AYKAGRPTP EDFPRQLALI KEMVDLLGLA RLEVPGYead
120
DVLATLAKKA EKEGYEVRII TADRDLVQLV SDRVAVLHPE GHLITPEWLW EKYGLRPEQW
180
VDFRALVGDV SDNLPVKGKI GEKTAAKLIR EWGSLNLLK HLEQVKPASV REKILSHMED
240
LKLSLELSRV HTDLLLQVDF KALRRRTPDV EGLRAFLEEL EFGSLLHEFG LLEAPAAAE
300
APWPPPEGAF VGYVLSRPEP MWAEINALAA AWGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAARA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGRVHTRFNQ TATATGRLSS SDPNLQNIPI RTPLGQRIR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFVKVRAW IEKTLLEGRK
720
RGYVETLFGV RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRLEMG
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840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2833
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2511

<212> Type : DNA
<211> Length : 2511
SequenceName : 2834
SequenceDescription :

Custom Codon

Sequence Name : 2834

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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60
VIVVFDKAP SFRHEAYGGY KAGRPTPED FPRQLALIKE LVDLLGLARL EVPGFEDDV
120
LATLAKKAEK EGYEVRILTG DRDLYQLVSD RVAVLHPEGH LITPEWLWEK YGLRPEQWVD
180
YRALAGDPSD NIPGVKGIGE KTARKLLEEW GSVEALLKNL DRLKPAIREK ILAHMEDLKL
240
SLELSRVRTD LPLEVDLAQG REPDREGLKA FLERLEFGSL LHEFGLLESP VAAEEAPWPP
300
PEGAFTGVYL SRPEPMWAEI NALAAAWGGR VHRAADPLAG LKDLKEVRGL LAKDLAVLAS
360
REGLDLVPGD DPMLLAYLLG PSNTTPEGVA RRYGGEWTEA AAHRALLSER LHRNLLKRLE
420
GEEKLLWLYH EVEKPLSRVL AHMEATGVRL DVAYLQALSL ELAEEIRRLE EEVFRLAGHP
480
FNLNSRDQLE RVLFDLRLP ALKKTCKTKG RSTSAVLEA LREAHPIVEK ILQHRELTKL
540
KNTYVDPLPS LVHPRTGRLH TRFNQTATAT GRLSSSDPNL QNIPVRTPLG QRIRRAFVAE
600
AGWALVALDY SQIELRVLAH LSGDENLIRV FQEGKDIHTQ TASWMFGVPP EAVDPLMRRR
660
AKTVNFGVLY GMSAHRLSQE LAIPYEEAVA FIERFQSFV KVRWIEKTL EEGRKRGYVE
720
TLFGRRRYVP DLNARVKSVR EAAERMAFNM PVQGTADLM KLAMVKLFPR LREMGARMLL
780
QVANELLLEA PQARAEVAA LAKEAMEKAY PLAVPLEVEV GMGEDWLSAK GHHHHHH
837

<212> Type : PRT
<211> Length : 837
SequenceName : 2835
SequenceDescription :

Sequence


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1920
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2400
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2493
<212> Type : DNA
<211> Length : 2493
      SequenceName : 2836
      SequenceDescription :

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Custom Codon

Sequence Name : 2836

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
LATLAKKAEK EGYEVRILTA DRDLYQLLSD RIHVLHPEGY LITPAWLWEK YGLRPDQWAD
180
YRALTGDESD NLSGVKGIGE KTARKLLEEW GSLEALLKNL DRLKPAIREK ILAHMDDLKL
240
SLELSRVRTD LPLEVDFAKR REPDRERLRA FLERLEFGSL LHEFGPLESP RAAEEAPWPP
300
PEGAFTGYVL SRPEPMWAEI NALAAARGGR VHRAADPLAG LKDLKEVRGL LAKDLAVLAS
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REGLDLVPGD DPMLLAYLLG PSNTTPEGVA RRYGGEWTEA AAHRALLSER LHRNLLKRLE
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GEEKLLWLYH EVEKPLSRVL AHMEATGVRL DVAYLQALSL ELAEIIRRL EEFVRLAGHP
480
FNLNSRDQLE RVLFDLRLP ALKKTKKTGK RSTSAAVLEA LREAHPIVEK ILQHRELTKL
540
KNTYVDPLPS LVHPRTGRLH TRFNQTATAT GRLSSSDPNL QNIPVRTPLG QRIRRAVFAE
600
AGWALVALDY SQIELRVLAH LSGDENLIRV FQEGKDIHTQ TASWMFGVPP EAVDPLMRRR
660
AKTVNFGVLY GMSAHRLSQE LAIPYEEAVA FIERFQSFP KVRWIEKTL EEGRKRGYVE

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720
TLFGRRRYVP DLNARVKSVR EAAERMAFNM PVQGTADLM KLAMVKLFPR LREMGARMLL
780
QVANELLEA PQARAEVAA LAKEAMEKAY PLAVPLEVEV GMGEDWLSAK G
831

<212> Type : PRT
<211> Length : 831
SequenceName : 2837
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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1380

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 1920
 gacatccaca cccagaccgc aagctggatg ttcggcgctc ccccgagggc cgtggacccc
 1980
 ctgatgcgcc gggcgcccaa gacggtgaac ttcggcgctc tctacggcat gtccgcccat
 2040
 aggctctccc aggagcttgc catcccctac gaggaggcgg tggcctttat agagcgctac
 2100
 ttccaaagct tccccaaggt gcgggccttg atagaaaaga ccctggagga ggggaggaag
 2160
 cggggctacg tggaaaccct cttcggaaga aggcgctacg tgcccgaact caacgcccgg
 2220
 gtgaagagcg tcaggagggc cgcggagcgc atggccttca acatgcccgt ccagggcacc
 2280
 gccgccgacc tcatgaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
 2340
 gcccgcatgc tcctccaggt cgccaacgag ctctctctgg agggccccca agcgcggggc
 2400
 gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
 2460
 ctggaggtgg aggtggggat gggggaggac tggctttccg ccaaggggtca ccaccaccac
 2520
 caccac
 2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2838

SequenceDescription :

Custom Codon

Sequence Name : 2838

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
 60
 GYKAVFVVD AKAPSFREA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
 120
 ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRAVLH PEGHLITPEW LWEKYGLRPE
 180
 QWVDFRALVG DPSDNLPGVK GIGKLTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
 240

gccccctggc ccccgccgga aggggccttc gtgggcttcg tcctctcccg ccccgagccc
960
atgtggggcg agcttaaagc cctggccgcc tgcaggggcg gccgcgtgca ccgggcagca
1020
gaccccttgg cggggctaaa ggacctcaag gaggtccggg gcctcctcgc caaggacctc
1080
gccgtcttgg cctcgaggga ggggctagac ctctgtcccc gggacgaccc catgctcctc
1140
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1200
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1260
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1320
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1380
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1440
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1560
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1620
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1680
acgggcccgc tccacaccgc cttcaaccag acggccacgg ccacggggag gcttagtagc
1740
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1800
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1860
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1920
gacatccaca cccagaccgc aagctggatg ttggcgctcc ccccgagggc cgtggacccc
1980
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2040
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2100
ttccaaagct tccccaaggt gcgggcctgg atagaaaaga ccctggagga ggggaggaag
2160
cggggctacg tggaaacctc cttcggaaga aggcgctacg tgcccgaact caacgcccgg
2220
gtgaagagcg tcaggagggc cgcgagcgc atggccttca acatgcccgt ccagggcacc
2280
gccgccgacc tcatgaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
2340
gcccgcacgc tcctccaggt cgccaacgag ctctcctcgg agggccccca agcgcggggc
2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
2460
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2520
caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2840
SequenceDescription :

Custom Codon

Sequence Name : 2840

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLLKALKED
60
GYKAVFVVD AKAPSF RHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAE LKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMML AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRRDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLF D ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGV PPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAI PY EBAVAFIER Y FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM G
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842

<212> Type : PRT

<211> Length : 842

SequenceName : 2841

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

atgaattccg aggcgatgct tccgctcttt gaacccaaag gccgggtcct cctggtggac
60
ggccaccacc tggcctaccg caccttcttc gccctgaagg gcctcaccac gagccggggc
120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaggccc cctccttcg ccacgaggcc
240
tacgaggcct acaaggcggg gagggccccg acccccgagg acttccccg gcagctcgcc
300
ctcatcaagg agctggtgga cctcctgggg ttaccgcc tcgaggtccc cggctacgag
360
gcggacgacg ttctcgccac cctggccaag aaggcggaaa aggaggggta cgaggtgcgc
420

atcctcaccg ccgaccgcga cctctaccaa ctctgtctccg accgcgtcgc cgtcctccac
 480
 cccgagggcc acctcatcac cccggagtgg ctttggggaga agtacggcct caggccggag
 540
 cagtgggtgg acttccgcgc cctcgtgggg gacccctccg acaacctccc cgggggtcaag
 600
 ggcatcgggg agaagaccgc cctcaagctc ctcaaggagt ggggaagcct ggaaaacctc
 660
 ctcaagaacc tggaccgggt aaagccagaa aacgtccggg agaagatcaa ggcccacctg
 720
 gaagacctca ggctctcctt ggagctctcc cgggtgcgca cgcacctccc cctggagggtg
 780
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 840
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 900
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 960
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 1200
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 1260
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 1320
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 1560
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 1620
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 1680
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 1740
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 1800
 gccttcgtgg ccgaggcggg ttgggcgttg gtggccctgg actatagcca gatagagctc
 1860
 cgcgtcctcg cccacctctc cggggacgaa aacctgatca gggctctcca ggaggggaag
 1920
 gacatccaca cccagaccgc aagctggatg ttcggcgctc ccccgaggc cgtggacccc
 1980
 ctgatgcgcc gggcgggcaa gacggtgaac ttggcgctc tctacggcat gtccgcccac
 2040
 aggctctccc aggagcttgc catcccctac gaggagggcg tggcctttat agagcgctac
 2100
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 2160
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 2220
 gtgaagagcg tcaggaggc cgcggagcgc atggccttca acatgcccg ccagggcacc

2280
gccgccgacc tcataagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
2340
gcccgcatgc tcctccaggt cgccaacgag ctctctctgg aggcccccca agcgcgggcc
2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
2460
ctggaggtgg aggtggggat gggggaggac tggctttccg ccaaggtca ccaccaccac
2520
caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2842
SequenceDescription :

Custom Codon

Sequence Name : 2842

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLLKALKED
60
GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLDPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRRDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
720
RGYVETLFGF RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2843
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
atgaattccg aggcgatgct tccgctcttt gaacccaaag gccgggtcct cctggtggac
60
ggccaccacc tggcctaccg caccgccttc gccctgaagg gcctcaccac gagccggggc
120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaaggccc cctccttcg ccacgaggcc
240
tacgaggcct acaaggcggg gagggccccg acccccagg acttccccg gcagctcgcc
300
ctcatcaagg agctggtgga cctcctgggg tttaccgcg tcgaggtccc cggctacgag
360
gcggacgacg ttctcgccac cctggccaag aaggcggaaa aggaggggta cgaggtgcgc
420
atcctcaccg ccgaccgcga cctctaccaa ctctctccg accgcgtcgc cgtcctccac
480
cccaggggcc acctcatcac cccggagtgg ctttgggaga agtacggcct caggccggag
540
cagtgggtgg acttcgcgc cctcgtgggg gaccctccg acaacctccc cggggtcaag
600
ggcatcgggg agaagaccgc cctcaagctc ctcaaggagt ggggaagcct ggaaaacctc
660
ctcaagaacc tggaccgggt aaagccagaa aacgtccggg agaagatcaa ggcccacctg
720
gaagacctca ggctctcctt ggagctctcc cgggtgcgca ccgacctccc cctggaggtg
780
gacctcgccc aggggcggga gcccgaccgg gaggggctta gggccttcct ggagaggctg
840
gagttcggca gcctcctcca cgagttcggc ctcttgagg ccccgcccc cctggaggag
900
gccccctggc ccccgccgga aggggccttc gtgggcttcg tcctctcccg ccccgagccc
960
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1020
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1320
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1380
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1680
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1740
tccgacccca acctgcagaa catccccgtc cgcacccct tgggccagag gatccgccgg

660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRRLREMG
780
ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2845
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
atgaattccg aggcgatgct tccgctcttt gaacccaaag gccgggtcct cctggtggac
60
ggccaccacc tggcctaccg caccgcgcac gccctgaagg gcctcaccac gagccggggc
120
gaaccggtgc aggcggtcta cggtctcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaaggccc cctccttccg ccacgaggcc
240
tacgaggcct acaaggcggg gagggccccg acccccgagg acttcccccg gcagctcgcc
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900
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960
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1020
gaccccttgg cggggctaaa ggacctcaag gaggtccggg gcctcctcgc caaggacctc
1080
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cttaagcgcc tcgaggggga ggagaagctc ctttggctct accacgaggt ggaaaagccc

1320
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1380
caggcccttt ccctggagct tgcggaggag atccgccgcc tcgaggagga ggtcttccgc
1440
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1560
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1680
acgggcccgc tccacacccg cttcaaccag acggccacgg ccacggggag gcttagtagc
1740
tccgaccca acctgcagaa catccccgtc cgcacccctt tgggccagag gatccgccgg
1800
gccttcgtgg ccgaggcggtg ttgggcgttg gtggccctgg actatagcca gatagagctc
1860
cgctcctcg ccacctctc cggggacgaa aacctgatca gggctctcca ggaggggaag
1920
gacatccaca cccagaccgc aagctggatg ttcggcgctc ccccgagggc cgtggacccc
1980
ctgatcgccc gggcgcccaa gacggtgaac ttcggcgctc tctacggcat gtccgcccac
2040
aggctctccc aggagcttgc catcccctac gaggaggcgg tggcctttat agagcgctac
2100
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2160
cggggctacg tggaaaccct cttcggaaga aggcgctacg tgcccacact caacgcccgg
2220
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2280
gccgcccacc tcatgaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
2340
gcccgcacgc tcctccaggt cgccaacgag ctctcctcgg agggccccca agcgcggggc
2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
2460
ctggaggtgg aggtggggat gggggaggac tggctttccg ccaagggtca ccaccaccac
2520
caccac

2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2846

SequenceDescription :

Custom Codon

Sequence Name : 2846

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

MNSEAMLPLF EPKGRVLLVD GHHLAYRTRH ALKGLTTSRG EPVQAVYGFA KSLKALKED
60

GYKAVFVFD AKAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120

ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE

180
 QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
 240
 EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
 300
 APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
 420
 LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
 480
 LAGHPFNLS RDQLERVLFED ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
 540
 ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPIV RTPLGQRIRR
 600
 AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPPEAVDP
 660
 LMRRAAKTVN FGVLYGMSAH RLSQELAIPY BEAVAFIERY FQSF PKVRAW IEKTL EEGRK
 720
 RGYVETLFRG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRRLREMG
 780
 ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
 840
 HH
 842
 <212> Type : PRT
 <211> Length : 842
 SequenceName : 2847
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 <212> Type : DNA
 <211> Length : 2526

SequenceName : 2848
SequenceDescription :

Custom Codon

Sequence Name : 2848

Sequence

<213> OrganismName : Artificial Sequence
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240
EDRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
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AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSFPKVRW IEKTLEEGRK
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842
<212> Type : PRT
<211> Length : 842
SequenceName : 2849
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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<212> Type : DNA
<211> Length : 2514
SequenceName : 2850
SequenceDescription :

Custom Codon

Sequence Name : 2850

Sequence

<213> OrganismName : Artificial Sequence
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120
LATLAKKAEK EGYEVRILTA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLKPSQWVD
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YRALAGDPSD NIPGVKGIGE KTAAKLIREW GSLENLLKHL EQVKPASVRE KILSHMEDLK
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LSLELSRVHT DLLLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLES PVAEEEAPWP
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SREGLDLVPG DDPMLLAYLL GPSNTTPEGV ARRYGGEWTE DAAHRALLSE RLHRNLLKRL
420
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480
PFNLNSRDQL ERVLFDELRL PALKKTKKTG KRSTSAAVLE ALREAHPIVE KILQHRELTK
540
LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRLLSSSDPN LQNIPVRTPL GQRIRRAFVA
600
EAGWALVALD YSQIELRVLA HLSGDENLIR VFQEGKDIHT QTASWMFGVP PEAVDPLMRR
660
AAKTVNFGVL YGMSAHRISQ ELAIPYEEAV AFIERYFQSF PKVRAWIEKT LEEGRKRGYV
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ETLFGRRRYV PDLNARVKS REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
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LQVANELLLE APQARAEVA ALAKEAMEKA YPLAVPLEVE VGMGEDWLSA KGHHHHHH
838

<212> Type : PRT
<211> Length : 838
SequenceName : 2851
SequenceDescription :

Sequence

1000439 : 000000

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<212> Type : DNA
<211> Length : 2514
      SequenceName : 2852
      SequenceDescription :

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Custom Codon

Sequence Name : 2852

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
LATLAKKAEK EGYEVRILTA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLKPSQWVD
180
YRALAGDPSD NIPGVKGIGE KTAACLIREW GSLENLLKHL EQVKPASVRE KILSHMEDLK
240
LSLELSRVHT DLLLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLES PVAAEEAPWP
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PPEGAFVGYV LSRPEPMWAE LNALAAWGG RVHRAADPLA GLKDLKEVRG LLAKDLAVLA
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480
PFNLNSRDQL ERVLFDELRL PALKKTKKTG KRSTSAAVLE ALREAHPIVE KILQHRELTK
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LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRLLSSSDPN LQNIPTVRTPL GQIRIRAFVA
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EAGWALVALD YSQIELRVLA HLSGDNELIR VFQEGKDIHT QTASWMFGVP PEAVDPLMRR

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660
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ETLFGRRRYV PDLNARVKS SV REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
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LQVANELLLE APQARAEVA ALAKEAMEKA YPLAVPLEVE VGMGEDWLSA KGHHHHHH
838

<212> Type : PRT
<211> Length : 838
SequenceName : 2853
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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 gaaaccctct tcggaagaag gcgctacgtg ccgacctca acgcccgggt gaagagcgtc
 2220
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 2280
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 2340
 ctccaggtcg ccaacgagct cctcctggag gcccccaag cgcgggccga ggaggtggcg
 2400
 gctttggcca aggaggccat ggagaaggcc tatccctcgc ccgtgcccct ggaggtggag
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 2514

<212> Type : DNA

<211> Length : 2514

SequenceName : 2854

SequenceDescription :

Custom Codon

Sequence Name : 2854

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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60

VIVVFDKAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGLERL EVPGFEADDV

120

LATLAKKAEK EGYEVRILTA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLKPSQWVD

180

YRALAGDPSD NIPGVKGIGE KTAAKLIREW GSLENLLKHL EQVKPASVRE KILSHMEDLK

240
 LSLELSRVHT DLLLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLES PVAAEEAPWP
 300
 PPEGAFVGIV LSRPEPMWAE LNALAAWGG RVHRAADPLA GLKDLKEVRG LLAKDLAVLA
 360
 SREGLDLVPG DDPMLLAYLL GPSNTTPEGV ARRYGGEWTE DAAHRALLSE RLHRNLLKRL
 420
 EGEEKLLWLY HEVEKPLSRV LAHMEATGVR LDVAYLQALS LELABEIRRL EEEVFRLAGH
 480
 PFNLNSRDQL ERVLFDELRL PALKTKTKTG KRSTSAAVLE ALREAHPIVE KILQHRELTK
 540
 LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRLSSTDPN LQNIPVRTPL GQRIRRAFVA
 600
 EAGWALVALD YSQIELRVLA HLSGDNELIR VFQEGKDIHT QTASWMFGVP PEAVDPLMRR
 660
 AAKTVNFGVL YGMSAHRSLQ ELAIPYEEAV AFIERYFQSF PKVRAWIEKT LEEGRKRGYV
 720
 ETLFGRRRYV PDLNARVKS V REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
 780
 LQVANELLE APQARAEVA ALAKEAMEKA YPLAVPLEVE VGMGEDWLSA KGHHHHHH
 838

<212> Type : PRT
 <211> Length : 838
 SequenceName : 2855
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
 atgaattcgg ggatgctgcc cctctttgag cccaagggcc gggtcctcct ggtggacggc
 60
 caccacctgg cctaccgcac ccgccacgcc ctgaagggcc tcaccaccag ccggggggag
 120
 ccggtgcagg cggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
 180
 gacgcggtga tcgtggtctt tgacgccaag gccccctcct tccgccacga ggcctacggg
 240
 ggggtacaagg cgggccgggc cccacgcgcg gaggactttc cccggcaact cgccctcatc
 300
 aaggagctgg tggacctcct ggggctggcg cgcctcgagg tcccgggcta cgaggcggac
 360
 gacgtcctgg ccagcctggc caagaaggcg gaaaaggagg gctacgaggt ccgcctcctc
 420
 accgccgaca aagaccttta ccagctcctt tccgaccgca tccacgtcct ccaccccgag
 480
 gggtagctca tcaccccggc ctggcttttg gaaaagtacg gcctgaggcc cgaccagtgg
 540
 gccgactacc gggccctgac cggggacgag tccgacaacc tcccgggggt caagggcac
 600
 ggggagaaga cggcgaggaa gcttctggag gagtggggga gcctggaagc cctcctcaag
 660
 aacctggacc ggctgaagcc cgccatccgg gagaagatcc tggccacat ggacgatctg
 720
 aagctctcct gggacctggc caaggtgctc accgacctgc ccctggaggt ggacttcgac
 780
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ccccgcggg aaggggcctt cgtgggcttt gtgctttccc gcaaggagcc catgtggggc
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1380
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1680
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1740
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1800
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1860
gccacctct ccggggacga aaacctgatc agggctcttc aggaggggaa ggacatccac
1920
accagaccg caagctggat gttcggcgtc ccccgaggagg cgtggaccc cctgatgcgc
1980
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2100
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2160
gtggaacccc tcttcggaag aaggcgctac gtgcccgaac tcaacgcccg ggtgaagagc
2220
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2280
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2340
ctctccagg tcgccaacga gctcctcctg gaggcccccc aagcgcgggc cgaggaggtg
2400
gcggcttttg ccaaggaggc catggagaag gcctatcccc tcgccgtgcc cctggaggtg
2460
gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
2517

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2856

SequenceDescription :

Custom Codon

Sequence Name : 2856

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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60
DAIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL RLPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRSL QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
720
VETLFGRRRY VPDLNARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLREMGARM
780
LLQVANELL EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2857
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
cgcctacctc ctggaccctt cgaacaccac c
31
<212> Type : DNA
<211> Length : 31
SequenceName : 2858
SequenceDescription :

Custom Codon

Sequence Name : 2858

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
gggtgtgttc gaagggtcca ggaggttaggc g

31
<212> Type : DNA
<211> Length : 31
SequenceName : 2859
SequenceDescription :

Custom Codon

Sequence Name : 2859

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
ggtacggcgg gacgtggcct accttcag
28
<212> Type : DNA
<211> Length : 28
SequenceName : 2860
SequenceDescription :

Custom Codon

Sequence Name : 2860

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
ctgaaggtag gccacgtccc gccgtacc
28
<212> Type : DNA
<211> Length : 28
SequenceName : 2861
SequenceDescription :

Custom Codon

Sequence Name : 2861

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
cacctggcct accgcacccg cttcgccctg aagggcctc
39
<212> Type : DNA
<211> Length : 39
SequenceName : 2862
SequenceDescription :

Custom Codon

Sequence Name : 2862

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
gaggcccttc agggcgaagc ggggtgcggtg ggccaggtg
39

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<212> Type : DNA
<211> Length : 39
SequenceName : 2863
SequenceDescription :

Custom Codon

Sequence Name : 2863

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
cacctggcct accgcacccg ccacgccctg aagggcctca cc
42

<212> Type : DNA
<211> Length : 42
SequenceName : 2864
SequenceDescription :

Custom Codon

Sequence Name : 2864

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
ggtgaggccc ttcagggcgt ggcgggtgcg gtaggccagg tg
42

<212> Type : DNA
<211> Length : 42
SequenceName : 2865
SequenceDescription :

Custom Codon

Sequence Name : 2865

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
cacctggcct accgcacccg ccgcgccctg aagggcctca cc
42

<212> Type : DNA
<211> Length : 42
SequenceName : 2866
SequenceDescription :

Custom Codon

Sequence Name : 2866

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
ggtgaggccc ttcagggcgc ggcgggtgcg gtaggccagg tg
42

<212> Type : DNA

<110> OrganizationName : Third Wave Technologies, Inc.

<120> Title : RNA Detection Assays

<130> AppFileReference : FORS-06666

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYED
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRSL QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
720
VETLFGRRRY VPDNLARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLREMGARM
780
LLQVHNELLL EAPQARAEEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

<212> Type : PRT

<211> Length : 839

SequenceName : 2641

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYED
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420

LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRSL QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEBV ARLAKEVMEG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT

<211> Length : 839

SequenceName : 2642

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRSL QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEBV ARLAKEVMEG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT

<211> Length : 839

SequenceName : 2643

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

1000439.026607

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<400> PreSequenceString :
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60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYED
120
DVLASLAKKA EKEGYEVRIL TADKDLQQL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EEAGERAALS ERLFANLWGR
420
LEGEERLLWL YREVERPLSA VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL R PALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHREL
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRIS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLEEMGARM
780
LLQVHNEVL EAPKERAFAV ARLAKEVMEG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2644
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYED
120
DVLASLAKKA EKEGYEVRIL TADKDLQQL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL R PALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHREL
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660

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RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAARMAF NMPVQGTAA D LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2645
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFD AK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDL YQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EEAGERAALS ERLFANLWGR
420
LEGEERLLWL YREVERPLSA VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAARMAF NMPVQGTAA D LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2646
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
60
GYKAVFVVD AKAPSFRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDL YQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL

<212> Type : PRT
<211> Length : 833
SequenceName : 2648
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHREL
540
KLKNTYVDPL PSLVHPTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRIS QELAIPEEA QAFIERFYQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLEEMGARM
780
LLQVHDELVL EAPKERAFAV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKE
833

<212> Type : PRT
<211> Length : 833
SequenceName : 2649
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EEAGHRAALS ERLFANLWGR
420

LEGEERLLWL YREVERPLSA VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRSL QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2650
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFAK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYead
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EEAGERAALS ERLHRNLWGR
420
LEGEERLLWL YREVERPLSA VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRSL QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2651
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

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<400> PreSequenceString :
MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRI L TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EEAGERAALS ERLFANLLKR
420
LEGEERLLWL YREVERPLSA VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL R LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRSL QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA D LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVMEG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2652
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRI L TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAPEPY KALRDLKEAR GLLAKDLSVL
360
ALREGLGLPP GDDPMLLAYL LDPSNTTPEG VARRYGGEWT EEAGERAALS ERLFANLWGR
420
LEGEERLLWL YREVERPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL R LPALGKTQKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660

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RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAARMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2653
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLE SPKALEEAPW
300
PPPEGA FVG FVLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RRDVAYLRAL SLEVABEIR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAARMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2654
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL


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240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGECKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGTDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2655
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGECKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLELAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGTDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

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<212> Type : PRT

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<211> Length : 839
SequenceName : 2656
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIRR LEAEVFRLAG
480
HPFNLSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPV RTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERA EAV ARLAKEVM EGVYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2657
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEEEVFRLAG

480
HPFNLNSRDQ LERVLFDDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRIS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMFG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2658
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAG SLLKALKEDG
60
DAVIVVFDAG APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRIS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAFAV ARLAKEVMFG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2659
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :

MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYead
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTQKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERFYQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVMEG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2660
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYead
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKSTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERFYQS FPKVRAWIEK TLEEGRRRGY

720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2661
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MMSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEA
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEW EDAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYREL
540
KLKNTYIDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPTVTP LGQRIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEAV ARLAKEVM EG VYPLAVPLEV EVGIGEDWLS AKEHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2662
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEA
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240

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KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYVDPL PDLIHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
660
RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
720
VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA DLMKLAMVKLF PRLEEMGARM
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LLQVHNELVL EAPKERAEBV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2663
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFDK APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYED
120
DVLASLAKKA EKEGYEVRIL TADKDLQQL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLRAL SLEVAEEIAR LEAEVFRLAG
480
HPFNLNSRDQ LERVLFDELG LPAIGKTEKT GKRSTSAAVL EALREAHPIV EKILQYRELT
540
KLKSTYIDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQIRRAFI
600
AEEGWLLVAL DYSQIELRVL AHLSGDENLI RVFQEGRDIH TETASWMFGV PREAVDPLMR
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RAAKTINFGV LYGMSAHRLS QELAIPYEEA QAFIERYFQS FPKVRAWIEK TLEEGRRRGY
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VETLFGRRRY VPDLEARVKS VREAAERMAF NMPVQGTAA DLMKLAMVKLF PRLEEMGARM
780
LLQVHNELVL EAPKERAEBV ARLAKEVMG VYPLAVPLEV EVGIGEDWLS AKEHHHHHHH
839

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<212> Type : PRT
<211> Length : 839

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SequenceName : 2664
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLLKALKED
60
GYKAVFVVFD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRDGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLF D ELRLPALGKT QKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIATQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EBAVAFIERY FQSF PKVRAW IEKTLEEGRK
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RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM G
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ARMLLQVHNE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842
<212> Type : PRT
<211> Length : 842
SequenceName : 2665
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
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180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR

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LAGHPFNLNS RDQLERVLFD ELRLPALGKT QKTGKRSTSA AVLEALREAH PIVEKILQHR
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ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGV PPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSF PKVRAW IEKTLEEGRK
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RGYVETLFGR RRYVPDLNAR VKSVREAAEA MAFNMPVQGT AADLMKLAMV KLF PRLREMG
780
ARMLLQVHNE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH

842

<212> Type : PRT

<211> Length : 842

SequenceName : 2666

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLLKALKED
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
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EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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<212> Type : PRT
<211> Length : 842
SequenceName : 2667
SequenceDescription :

Sequence

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<213> OrganismName : Artificial Sequence
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
      SequenceName : 2668
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLRGVR GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
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660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
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<212> Type : PRT
<211> Length : 842
SequenceName : 2669
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<213> OrganismName : Artificial Sequence
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPQVK GIGEYALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
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ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPIV RTPLGQRIIR
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AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPPEAVDP
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LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
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RGYVETLFGF RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRRLREMG
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ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842
<212> Type : PRT
<211> Length : 842
SequenceName : 2670
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Sequence

<213> OrganismName : Artificial Sequence
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MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
60
GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE

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120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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842
<212> Type : PRT
<211> Length : 842
      SequenceName : 2671
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Sequence

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<213> OrganismName : Artificial Sequence
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<212> Type : PRT
<211> Length : 839
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SequenceDescription :

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<213> OrganismName : Artificial Sequence
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842

<212> Type : PRT
<211> Length : 842
SequenceName : 2673
SequenceDescription :

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<213> OrganismName : Artificial Sequence
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LSLELSRVHT DLLLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLS PVAAEEAPWP

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2675

SequenceDescription :

Custom Codon

Sequence Name : 2675

Sequence

<213> OrganismName : Artificial Sequence
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<212> Type : DNA

<211> Length : 2517

SequenceName : 2676

SequenceDescription :

Custom Codon

Sequence Name : 2676

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2677
SequenceDescription :

Custom Codon

Sequence Name : 2677

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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<212> Type : DNA

<211> Length : 2517

SequenceName : 2679

SequenceDescription :

Custom Codon

Sequence Name : 2679

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2680

SequenceDescription :

Custom Codon

Sequence Name : 2680

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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<212> Type : DNA
<211> Length : 2526
      SequenceName : 2681
      SequenceDescription :

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Custom Codon

Sequence Name : 2681

Sequence

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<213> OrganismName : Artificial Sequence
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ccgggtgcagg cggctctacg cttcgccaag agcctcctca aggcctcaa ggaggacggg
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480

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 1020
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2340
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2400
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<212> Type : DNA
<211> Length : 2499
SequenceName : 2682
SequenceDescription :

Custom Codon

Sequence Name : 2682

Sequence

<213> OrganismName : Artificial Sequence
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120
ccggtgcagg cggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
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240
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420
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720
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1020
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 2400
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<212> Type : DNA

<211> Length : 2499

SequenceName : 2683

SequenceDescription :

Custom Codon

Sequence Name : 2683

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120

ccggtgcagg cgggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg

180
gacgcggtga tcgtggtcct tgacgccaag gccccctcct tccgccacga ggcctacggg
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 2517

<212> Type : DNA

<211> Length : 2517

SequenceName : 2684

SequenceDescription :

Custom Codon

Sequence Name : 2684

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 480
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2280
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2400
gcccggtgg ccaaggaggt catggagggg gtgtatcccc tggccgtgcc cctggaggtg
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2517

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2685

SequenceDescription :

Custom Codon

Sequence Name : 2685

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
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360
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420
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<212> Type : DNA

<211> Length : 2517

SequenceName : 2686

SequenceDescription :

Custom Codon

Sequence Name : 2686

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2687
SequenceDescription :

Custom Codon

Sequence Name : 2687

Sequence

<213> OrganismName : Artificial Sequence
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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2688
      SequenceDescription :

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Custom Codon

Sequence Name : 2688

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2689
SequenceDescription :

Custom Codon

Sequence Name : 2689

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2517

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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2690

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SequenceDescription :

Custom Codon

Sequence Name : 2690

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 2340
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 2517

<212> Type : DNA
 <211> Length : 2517
 SequenceName : 2691
 SequenceDescription :

Custom Codon

Sequence Name : 2691

Sequence

<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 120
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 240
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 300
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 420

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 960
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 1920
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 2160
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2280
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2400
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2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2692
SequenceDescription :

Custom Codon

Sequence Name : 2692

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccggggggag
120
ccggtgcagg cggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccaag gccccctcct tccgccacga ggcctacggg
240
gggtacaagg cgggccgggc cccacgcgcg gaggactttc cccggcaact cgccctcatc
300
aaggagctgg tggacctcct ggggctggcg cgcctcgagg tcccgggcta cgaggcggac
360
gacgtcctgg ccagcctggc caagaaggcg gaaaaggagg gctacgaggt ccgcatcctc
420
accgccgaca aagaccttta ccagctcctt tccgaccgca tccacgtcct ccaccccgag
480
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720
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1020
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1080
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1140

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1260
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2280
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2340
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2400
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2517

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2693

SequenceDescription :

Custom Codon

Sequence Name : 2693

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
ccggtgcagg cgggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccaag gccccctcct tccgccacga ggcttacggg
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1020
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1860

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gccacctct ccggcgacga gaacctgatc cgggtcttcc aggaggggcg ggacatccac
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1980
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2100
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2160
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2340
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2400
gcccggtg ccaaggagggt catggagggg gtgtatcccc tggccgtgcc cctggagggtg
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2517

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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2694
      SequenceDescription :

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Custom Codon

Sequence Name : 2694

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
ccggtgcagg cggctctacg cttcgccaag agcctcctca aggccctcaa ggaggacggg
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420
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600
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660
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780
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900
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960
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1260
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2100
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2220
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2280
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2340
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2400
gcccggctgg ccaaggaggt catggagggg gtgtatcccc tggccgtgcc cctggagggtg
2460
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2517

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<212> Type : DNA

<211> Length : 2517
SequenceName : 2695
SequenceDescription :

Custom Codon

Sequence Name : 2695

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
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<212> Type : DNA

<211> Length : 2517

SequenceName : 2696

SequenceDescription :

Custom Codon

Sequence Name : 2696

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 1020
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 1080
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2220
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 2340
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<212> Type : DNA
 <211> Length : 2517
 SequenceName : 2697
 SequenceDescription :

Custom Codon

Sequence Name : 2697

Sequence

<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccgggggggag
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 ccggtgcagg cggctctacg cttcgccaag agcctcctca aggccctcaa ggaggacggg
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 1080

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2698

SequenceDescription :

Custom Codon

Sequence Name : 2698

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2699
SequenceDescription :

Custom Codon

Sequence Name : 2699

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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 2340
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 2400
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2520
caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2700
SequenceDescription :

Custom Codon

Sequence Name : 2700

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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240
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300
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1200
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1260
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1320
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10004359 - 022600

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1380
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1620
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1680
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1800
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1860
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1920
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1980
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2220
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2280
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2340
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2400
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2460
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caccac
2526
<212> Type : DNA
<211> Length : 2526
      SequenceName : 2701
      SequenceDescription :

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Custom Codon

Sequence Name : 2701

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaaggccc cctccttcog ccacgaggcc

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240
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 300
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 360
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 480
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 660
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 780
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 960
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 1020
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 1080
 gccgtcttgg cctcgaggga ggggctagac ctctgcccc gggacgaccc catgctcctc
 1140
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 1200
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 1260
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 1800
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 1860
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 1920
 gacatccaca cccagaccgc aagctggatg ttcggcgctc ccccgaggc cgtggacccc
 1980
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 2040

```

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2100
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2220
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2280
gccgccgacc tcatgaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
2340
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2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
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caccac
2526

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<212> Type : DNA

<211> Length : 2526

SequenceName : 2702

SequenceDescription :

Custom Codon

Sequence Name : 2702

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
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240
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480
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720
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840
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900

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gccccctggc ccccgccgga aggggccttc gtgggcttcg tcctctcccg ccccgagccc
960
atgtgggcgg agcttaaagc cctggccgcc tgcaggggcg gccgcgtgca ccgggcagca
1020
gaccccttgg cggggctaaa ggacctcaag gaggtccggg gcctcctcgc caaggacctc
1080
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1860
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1920
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1980
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2100
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2280
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2340
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2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
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2526

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<212> Type : DNA

<211> Length : 2526

SequenceName : 2703

SequenceDescription :

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1740
tccgacccca acctgcagaa catccccgtc cgcacccccct tgggccagag gatccgccgg
1800
gccttcgtgg ccgaggcggg ttgggcgttg gtggccctgg actatagcca gatagagctc
1860
cgcgtcctcg cccacctctc cggggacgaa aacctgatca gggctctcca ggaggggaag
1920
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1980
ctgatgcgcc gggcgggcaa gacggtgaac ttcggcgctc tctacggcat gtccgccc
2040
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2100
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2220
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2280
gccgccgacc tcatgaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
2340
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2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatccctc cgccgtgccc
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caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2704
SequenceDescription :

Custom Codon

Sequence Name : 2704

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
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240
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360
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420
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480
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 1800
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 1980
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 2160
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 2220
 gtgaagagcg tcaggagggc cgcggagcgc atggccttca acatgcccgt ccagggcacc
 2280

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gccgccgacc tcataaagct cgccatggtg aagctcttcc cccgcctccg ggagatgggg
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gcccgcatgc tcctccaggt cgccaacgag ctctctctgg aggcccccca agcgcggggc
2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
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caccac
2526
<212> Type : DNA
<211> Length : 2526
      SequenceName : 2705
      SequenceDescription :

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Custom Codon

Sequence Name : 2705

Sequence

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<213> OrganismName : Artificial Sequence
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120
ccggtgcagg cggctctacg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccaag gccccctcct tccgccacga ggcctacggg
240
gggtacaagg cgggccgggc cccacgcgcg gaggactttc cccggcaact cgccctcatc
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360
gacgtcctgg ccagcctggc caagaaggcg gaaaaggagg gctacgaggt ccgcatcctc
420
accgccgaca aagaccttta ccagctcctt tccgaccgca tccacgtcct ccaccccag
480
gggtacctca tcaccccggc ctggcttttg gaaaagtacg gcctgaggcc cgaccagtgg
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1020
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1080
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1140

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ctgggcccct cgaacaccac ccccgagggg gtggcgcggc gctacggggg ggagtggacg
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1260
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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2706
      SequenceDescription :

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Custom Codon

Sequence Name : 2706

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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<212> Type : DNA
<211> Length : 2526
SequenceName : 2707
SequenceDescription :

Custom Codon

Sequence Name : 2707

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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<212> Type : DNA
<211> Length : 2514
SequenceName : 2708
SequenceDescription :

Custom Codon

Sequence Name : 2708

Sequence

<213> OrganismName : Thermus thermophilus
<400> PreSequenceString :
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2505

<212> Type : DNA
<211> Length : 2505
SequenceName : 2709
SequenceDescription :

Custom Codon

Sequence Name : 2709

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DDVLATLAKK AEKEGYEVRI LTADKDLYQL LSDRIHVLHP EGYLITPAWL WEKYGLRPDQ
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360


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<212> Type : DNA
<211> Length : 2520
      SequenceName : 2711
      SequenceDescription :

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Custom Codon

Sequence Name : 2711

Sequence

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<213> OrganismName : Thermus thermophilus
<400> PreSequenceString :
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRDGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
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480
LAGHPFNLNS RDQLERVLFD ELRLPALGKT QKTGKRSTSA AVLEALREAH PIVEKILQHR
540
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AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPP EAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMK LAMV KLFPR LREM
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836

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<212> Type : PRT
<211> Length : 836
      SequenceName : 2712
      SequenceDescription :

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Sequence

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<213> OrganismName : Thermus thermophilus
<400> PreSequenceString :
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<212> Type : DNA
<211> Length : 2511
SequenceName : 2713
SequenceDescription :

Custom Codon

Sequence Name : 2713

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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240
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360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
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540
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660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTL EEGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM
780
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<212> Type : PRT
<211> Length : 836
SequenceName : 2714
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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2511

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<212> Type : DNA

<211> Length : 2511

SequenceName : 2715

SequenceDescription :

Custom Codon

Sequence Name : 2715

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2716

SequenceDescription :

Custom Codon

Sequence Name : 2716

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRDGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPALGKT QKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY BEAVAFIER Y FQSF PKVRAW IEKTL EGRK
720
RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM
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ARMLLQVHNE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842
<212> Type : PRT
<211> Length : 842
SequenceName : 2717
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2718
SequenceDescription :

Custom Codon

Sequence Name : 2718

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGGDPMML AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPALGKT QKTGKRSTSA AVLEALREAH PIVEKILQHR
540
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660
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RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
780
ARMLLQVHNE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842
<212> Type : PRT
<211> Length : 842
SequenceName : 2719
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence


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<400> PreSequenceString :
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<212> Type : DNA
<211> Length : 2526
      SequenceName : 2720
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Custom Codon

Sequence Name : 2720

Sequence

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<213> OrganismName : Artificial Sequence
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<212> Type : DNA
<211> Length : 2526
SequenceName : 2721
SequenceDescription :

Custom Codon

Sequence Name : 2721

Sequence

<213> OrganismName : Artificial Sequence
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LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
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LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSFPKVRW IEKTL EEGRK
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RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPR LREM
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<212> Type : PRT
<211> Length : 842
SequenceName : 2722
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2723

SequenceDescription :

Custom Codon

Sequence Name : 2723

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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HH

BOOKS

SequenceName
SequenceDesc

SequenceDescription :

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 <212> Type : DNA
 <211> Length : 2526
 SequenceName : 2725
 SequenceDescription :

Custom Codon

Sequence Name : 2725

Sequence

<213> OrganismName : Artificial Sequence
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 180
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 240
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 300
 APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRKK

420
 LKRLEGEKKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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 LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSF PKVRAW IEKTLEEGRK
 720
 RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLF PRLREM
 780
 ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
 840
 HH
 842
 <212> Type : PRT
 <211> Length : 842
 SequenceName : 2726
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
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 2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2727

SequenceDescription :

Custom Codon

Sequence Name : 2727

Sequence

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<213> OrganismName : Artificial Sequence
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
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LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
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ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
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LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSFPKVRW IEKTL EEGRK
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RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM G
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
      SequenceName : 2728
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccac

2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2729

SequenceDescription :

Custom Codon

Sequence Name : 2729

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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GYKAVFVVD AKAPSFRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120

ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180

QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240

EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300

APWPPPEGAF VGYVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360

AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420

LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480

LAGHPFNLS RDQLERVLF DLRPLALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540

ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600

AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPEAVDP
660

LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
720

RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842

<212> Type : PRT

<211> Length : 842

SequenceName : 2730

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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20040303 10:20:00

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2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2731
SequenceDescription :

Custom Codon

Sequence Name : 2731

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKHLQVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSFPKVRAW IEKTLEEGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
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ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
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842

<212> Type : PRT
<211> Length : 842
SequenceName : 2732
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccac
2526

<212> Type : DNA
<211> Length : 2526
SequenceName : 2733
SequenceDescription :

Custom Codon

Sequence Name : 2733

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVHTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLEHFG LLEAPAPLEE
300

APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
 420
 LKRLEGEEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
 480
 LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
 540
 ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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 AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPPEAVDP
 660
 LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
 720
 RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRRLREM
 780
 ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
 840
 HH
 842

<212> Type : PRT
 <211> Length : 842
 SequenceName : 2734
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
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2040					
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2100					
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2160					
cggggctacg	tggaaaccct	cttcggaaga	aggcgctacg	tgcccacct	caacgcccgg
2220					
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2280					
gccgcccacc	tcatgaagct	cgccatggtg	aagctcttcc	ccgcctccg	ggagatgggg
2340					
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2400					
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2526					
<212> Type : DNA					
<211> Length : 2526					
SequenceName : 2735					
SequenceDescription :					

Custom Codon

Sequence Name : 2735

Sequence

<213> OrganismName : Artificial Sequence
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GYKAVFVVFV AKAPSF RHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVHTDLLLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEAAHRA LLSERLHRNL
420
LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGVPP EAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAI PY EEAVAFIERY FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFRG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM G
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2736
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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480

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2340
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2508
<212> Type : DNA
<211> Length : 2508
SequenceName : 2737
SequenceDescription :

Custom Codon

Sequence Name : 2737

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSFREHA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGGDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAHHRA LLSERLHRNL
420
LKRLEGEEKL VWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFVKRAW IEKTLEEGRK
720
RGYVETLFGF RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2738
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2508

<212> Type : DNA

<211> Length : 2508

SequenceName : 2739

SequenceDescription :

Custom Codon

Sequence Name : 2739

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLQY LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGVEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPR LREM
780
ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2740
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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<212> Type : DNA

<211> Length : 2508

SequenceName : 2741

SequenceDescription :

Custom Codon

Sequence Name : 2741

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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 240
 EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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 APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
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836

<212> Type : PRT
<211> Length : 836
SequenceName : 2742
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2508
<212> Type : DNA

<211> Length : 2508

SequenceName : 2743

SequenceDescription :

Custom Codon

Sequence Name : 2743

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKE NVREKIKAH
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMML AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRFEKEEKL LCLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY BEAVAFIERY FQSF PKVRAW IEKTLEEGRK
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RGYVETLFRG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2744
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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2508

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<212> Type : DNA

<211> Length : 2508

SequenceName : 2745
SequenceDescription :

Custom Codon

Sequence Name : 2745

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVFVVD AKAPSFRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
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240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPFLKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
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ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
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AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPEAVDP
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LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSFPKVRW IEKTL EEGRK
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RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREMG
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836

<212> Type : PRT
<211> Length : 836
SequenceName : 2746
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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10084539 : 002600

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<212> Type : DNA
<211> Length : 2508
SequenceName : 2747
SequenceDescription :

Custom Codon

Sequence Name : 2747

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPVLKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNPV RTPLGQIRIR
600
AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSF PKVRAW IEKTL EGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPR LREM
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2748
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

10004339.02200E

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<400> PreSequenceString :
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2460
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2508

<212> Type : DNA

<211> Length : 2508

SequenceName : 2749

SequenceDescription :

Custom Codon

Sequence Name : 2749

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPSLKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER Y FQSF PKVRAW IEK TLEEGRK
720

RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRRLREM
780
ARMLLQVANE LLLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2750
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
atgaattccg aggcgatgct tccgctcttt gaaccctaaag gccgggtcct cctggtggac
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ggccaccacc tggcctaccg caccttcttc gccctgaagg gcctcaccac gagccggggc
120
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tacgaggcct acaaggcggg gagggccccc acccccgagg acttccccg gcagctcgcc
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720
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10004839 : 022602

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 2508

<212> Type : DNA

<211> Length : 2508

SequenceName : 2751

SequenceDescription :

Custom Codon

Sequence Name : 2751

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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 ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWKEYGLRPE
 180
 QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
 240
 EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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 APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL

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AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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LKRLEGEEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLF D ELRLPALKKT KKTGKRSTGA AVLEALREAH FIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGV PPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLF PRLREMG
780
ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

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<212> Type : PRT
<211> Length : 836
      SequenceName : 2752
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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gaaccggtgc aggcggtcta cggttcgcc aagagcctcc tcaaggcct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaagccc cctccttcg ccacgaggcc
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tacgaggcct acaaggcggg gagggccccg acccccgagg acttccccg gcagctcgcc
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ctcatcaagg agctggtgga cctcctgggg tttaccgcc tcgaggtccc cggctacgag
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cccgagggcc acctcatcac ccgggagtgg ctttgggaga agtacggcct caggccggag
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cagtgggtgg acttcgcgc cctcgtgggg gaccctccg acaacctccc cggggtcaag
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660
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1020

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<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
 MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
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 GYKAVFVVD AKAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
 120
 ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
 180
 QWVDFRALVG DPSNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
 240
 EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
 300
 APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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 LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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 ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPIV RTPLGQRIRR
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 RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRLEMG
 780
 ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
 836

<212> Type : PRT
 <211> Length : 836
 SequenceName : 2754
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 ggccaccacc tggcctaccg caccttcttc gccctgaagg gcctcaccac gagccggggc
 120
 gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
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 420
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 480
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 600
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2508

<212> Type : DNA

<211> Length : 2508

SequenceName : 2755

SequenceDescription :

Custom Codon

Sequence Name : 2755

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEKKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSR AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLLEGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLREMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT

<211> Length : 836

SequenceName : 2756

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggcct gaaggaggac
180
gggtacaagg ccgtcttcgt ggtctttgac gccaaggccc cctccttccg ccacgaggcc
240

2100
ttccaaagct tccccaaaggt gcgggcctgg atagaaaaga ccctggagga ggggaggaag
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2508
<212> Type : DNA
<211> Length : 2508
SequenceName : 2757
SequenceDescription :

Custom Codon

Sequence Name : 2757

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLEHFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEKEL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPKLKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER YFQSFPKVRAW IEKTL EEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM
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ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2758
SequenceDescription :

400429:000000

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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240
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2508

<212> Type : DNA
<211> Length : 2508
SequenceName : 2759
SequenceDescription :

Custom Codon

Sequence Name : 2759

Sequence

<213> OrganismName : Artificial Sequence
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GYKAVFVVD AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
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ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLDK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIR
600

AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIATQTASWM FGVPPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFVKVRAW IEKTLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRRLREMG
780
ARMLLQVANE LLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2760
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
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240
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1320
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2400
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2508

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<212> Type : DNA

<211> Length : 2508

SequenceName : 2761

SequenceDescription :

Custom Codon

Sequence Name : 2761

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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GYKAVFVVD AKAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL

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240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDPMMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKP KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGV PPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRAW IEK TLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREM G
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKG
836

<212> Type : PRT
<211> Length : 836
SequenceName : 2762
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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900

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2220
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2280
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2340
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2400
gaggaggtgg cggcttttgg caaggaggcc atggagaagg cctatcccct cgccgtgccc
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caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2763
SequenceDescription :

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Custom Codon

Sequence Name : 2763

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
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180
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1980
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2280
atgaagctcg ccatggtgaa gctcttcccc cgctccggg agatgggggc ccgcatgctc
2340
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2400
gctttggcca aggaggccat ggagaaggcc tatccccctg ccgtgcccct ggaggtggag
2460
gtgggggatg gggaggactg gctttccgcc aagggtcacc accaccacca ccac
2514

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<212> Type : DNA
<211> Length : 2514
      SequenceName : 2764
      SequenceDescription :

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Custom Codon

Sequence Name : 2764

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcatcgt ggtctttgac gccgaggccc cctccttccg ccacgaggcc
240
tacgaggcct acaaggcggg gaggggcccg acccccgagg acttcccccg gcagctcgcc
300
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360
gcggacgacg ttctcgccac cctggccaag aaggcggaaa aggaggggta cgaggtgcgc
420
atcctcaccg ccgaccgcga cctctaccaa ctcgctctcc acccgctcgc cgtcctccac
480

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cccgagggcc acctcatcac cccggagtgg ctttgggaga agtatgggct taagccttcc
 540
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 600
 ggcatcgggg agaagacggc ggccaagctg atccgggagt ggggaagcct ggaaaacctt
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 720
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 780
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 960
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 1860
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 1920
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 1980
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 2280
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2340
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2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatcccct cgccgtgccc
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2520
caccac
2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2765
SequenceDescription :

Custom Codon

Sequence Name : 2765

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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GYKAVIVVFD AEAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWEKYGLKPS
180
QWVDYRALAG DPSDNIPGVK GIGEKTAACL IREWGSLENL LKHLEQVKPA SVREKILSHM
240
EDLKLSLELS RVHTDLLLQV DFARRREPDR EGLKAFLERL EFGSLLHEFG LLESPVAAEE
300
APWPPPEGAF VGYVLSRPEP MWAE LNALAA AWGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRLEMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2766
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :

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 ggccaccacc tggcctaccg caccttcttc gccctgaagg gcctcaccac gagccggggg
 120
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 180
 ggggtacaagg ccgtcatcgt ggtctttgac gccgaggccc cctccttccg ccacgaggcc
 240
 tacgaggcct acaaggcggg gagggccccg acccccagagg acttcccccg gcagctcgcc
 300
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1860
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1920
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1980
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2100
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2220
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2280
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2340
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2400
gaggaggtgg cggctttggc caaggaggcc atggagaagg cctatccccct cgccgtgccc
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2526
<212> Type : DNA
<211> Length : 2526
SequenceName : 2767
SequenceDescription :

Custom Codon

Sequence Name : 2767

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLKALKED
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GYKAVIVVFD AEAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKHLEQVKPA SVREKILSHM
240
EDLKLSLELS RVHTDLLLQV DFARRREPDR EGLKAFLERL EFGSLLHEFG LLESPVAAEE
300
APWPPPEGAF VGYVLSRPEP MWAE LNALAA AWGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRDLVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNI PV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSF PKVRAW IEKTL EEGRK

720
RGYVETLFGR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPRRLREMG
780
ARMLLQVANE LLLLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842
<212> Type : PRT
<211> Length : 842
SequenceName : 2768
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
gaaccggtgc aggcggtcta cggcttcgcc aagagcctcc tcaaggccct gaaggaggac
180
gggtacaagg ccgtcatcgt ggtctttgac gccgaggccc cctccttccg ccacgaggcc
240
tacgaggcct acaaggcggg gagggccccg acccccgagg acttcccccg gcagctcgcc
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480
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540
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600
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900
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1020
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1080
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1140
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1260
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1320
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1380
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 1500
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 1560
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 1860
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 1920
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 1980
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 2040
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 2100
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 2160
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 2220
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 2460
 gtgcccctgg aggtggaggt ggggatgggg gaggactggc tttccgcca gggtcaccac
 2520
 caccaccacc ac

2532

<212> Type : DNA

<211> Length : 2532

SequenceName : 2769

SequenceDescription :

Custom Codon

Sequence Name : 2769

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 GYKAVIVVFD AEAPSFHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
 120
 ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRAVLH PEGHLITPEW LWEKYGLRPE
 180
 QWVDFRALVG DPSDNLPGVK GIGKLTALKL LKEWGSLENL LKNLDRVKPD SLRRKIEAHL

900					
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960					
gagcccatgt	gggcggagct	tctggccctg	gcggcggcct	cgggcgggccg	cgtgcaccgg
1020					
gcagcagacc	ccttggcggg	gctaaaggac	ctcaaggagg	tccggggcct	cctcgccaag
1080					
gacctcgccg	tcttggcctc	gagggagggg	ctagacctcg	tgcccgggga	cgaccccatg
1140					
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1200					
ggggggggagt	ggacggagga	cgccgcccac	cgggccctcc	tctcggagag	gctccatcgg
1260					
aacctcctta	agcgcctcga	gggggaggag	aagctccttt	ggctctacca	cgaggtggaa
1320					
aagccctctt	cccgggtcct	ggcccatatg	gaggccaccg	gggtacggcg	ggacgtggcc
1380					
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1440					
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1500					
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1560					
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1620					
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1680					
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1740					
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1800					
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1860					
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1920					
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1980					
gacccctga	tgcgccgggc	ggccaagacg	gtgaacttcg	gcgtcctcta	cggcatgtcc
2040					
gcccataggc	tctcccagga	gcttgccatc	ccctacgagg	aggcgggtggc	ctttatagag
2100					
cgctacttcc	aaagcttccc	caaggtgcgg	gcctggatag	aaaagaccct	ggaggagggg
2160					
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2220					
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2280					
ggcaccgcgg	ccgacctcat	gaagctcgcc	atggtgaagc	tcttcccccg	cctccgggag
2340					
atggggggccc	gcatgctcct	ccaggtcgcc	aacgagctcc	tcttggaggc	cccccaagcg
2400					
cgggccgagg	aggtggcggc	tttggccaag	gaggccatgg	agaaggccta	tcccctcgcc
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2520					
caccaccacc	ac				

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<212> Type : DNA
<211> Length : 2532
      SequenceName : 2771
      SequenceDescription :
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Custom Codon

Sequence Name : 2771

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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60
GYKAVIVVFD AEAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPKD VQEKYGPPE
180
RWVDFRALTG DRSDNIPGVA GIGECTALRL LAEWGSVENL LKNLDRVKPD SLRRKIEAHL
240
EDLHLSLDLA RIRTDLPLEV DFKALRRRTP DLEGLRAFLE ELEFGSLLHE FGLLGGEKPR
300
EEAPWPPPEG AFVGFLLSRK EPMWAELLAL AAASGGRVHR AADPLAGLKD LKEVRGLLAK
360
DLAVLASREG LDLVPGDDPM LLAYLLGPSN TTPEGVARRY GGEWTEAAH RALLSERLHR
420
NLLKRLEGEE KLLWLYHEVE KPLSRVLAHM EATGVRLDVA YLQALSLELA EEIRRLEEEV
480
FRLAGHPFNL NSRDQLERVL FDELRLPALK KTKKTGKRST SAAVLEALRE AHPIVEKILQ
540
HRELTKLKNT YVDPLPSLVH PRTGRLHTRF NQTATATGRL SSSDPNLQNI PVRTPLGQRI
600
RRAFVAEAGW ALVALDYSQI ELRVLAHL SG DENLIRVFQE GKDIHTQTAS WMFGVPPEAV
660
DPLMRRAKT VNFGVLYGMS AHRLSQELAI PYEEAVAFIE RYFQSFPKVR AWIEKTLEEG
720
RKRGYVETLF GRRRYVPDLN ARVKSUREAA ERMAFNMPVQ GTAADLMKLA MVKLFPRLE
780
MGARMLLQVA NELLLEAPQA RAE EVAALAK EAMEKAYPLA VPLEVEVGMG EDWLSAKGHH
840
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844

<212> Type : PRT

<211> Length : 844

SequenceName : 2772

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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ctggcctacc gtaccttttt tgccctgaag ggcctcacca ccagccgcgg ggagccggtc
120
caggcgggtgt acgggtttgc caagagcctt ttgaaggcgc taagggaaga cggggatgtg
180
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240
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1740


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2514

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<212> Type : DNA
<211> Length : 2514
      SequenceName : 2775
      SequenceDescription :

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Custom Codon

Sequence Name : 2775

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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VIVVFDAEAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGLERL EVPGFEADDV
120
LATLAKKAEK EGYEVRILTA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLRPEQWVD
180
FRALVGDPSP NLPGVKGIGE KTALKLLKEW GSLENLLKNL DRVKPENVRE KIKAHLEDLR
240
LSLELSRVRT DLPLEVDLAQ GREPDREGLR AFLERLEFGS LLHEFGLLEA PAPLEEAPWP
300
PPEGAFVGFV LSRPEPMWAE LKALAACRGG RVHRAADPLA GLKDLKEVRG LLAKDILAVLA
360
SREGLDLVPD DDPMLLAYLL GPSNTTPEGV ARRYGGEWTE DAAHRALLSE RLHRNLLKRL
420
EGEEKLLWLY HEVEKPLSRV LAHMEATGVR LDVAYLQALS LELABEIRRL EEEVFRLAGH
480
PFNLNSRDQL ERVLFDELRL PALKKTKKTG KRSTSAAVLE ALREAHPIVE KILQHRELTK
540
LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRLLSSDPN LQNIPVRTPL GQRIRRAFVA
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EAGWALVALD YSQIELRVLA HLSGDENLIR VFQEGKDIHT QTASWMFGVP PEAVDPLMR

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660
AAKTVNFGVL YGMSAHRLSQ ELAIPYEEAV AFIERYFQSF PKVRAWIEKT LEEGRKRGYV
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ETLFGRRRYV PDLNARVKS V REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
780
LQVANELLLE APQARAEVA ALAKEAMEKA YPLAVPLEVE VGMGEDWLSA KGHHHHHH
838

<212> Type : PRT
<211> Length : 838
SequenceName : 2776
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
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180
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240
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 3060
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3135

<212> Type : DNA

<211> Length : 3135

SequenceName : 2777

SequenceDescription :

Custom Codon

Sequence Name : 2777

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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60
GYKAVFVVF D AKAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLYQ LVSDRVAVLH PEGHLITPEW LWKEYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDLRLSLELS RVRTDLPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
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APWPPPEGAF VGFVLSRPEP MWAELKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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LAGHPFNLS RDQLERVLF D ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVL AHL SGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSF PKVRAW IEKTLEEGRK
720
RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLAMV KLFPR LREMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HHVDMTMITP SYLGDTIEYS SYASSLPSS DPLVTAASVL EFCRYPSHWR PLEHASRGPN
900
SPYSESYNS LAVVLQRRDW ENPGVTQLNR LAAHPPFASW RNSEEARTDR PSQQLRSLNG
960
EWDAPCSGAL SAAGVVVTRS VTATLASALA PAPFAFFPSF LATFAGFPRQ ALNRGLPLGF
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RFRALRHLDR KKLDLGDGSR SGPSP
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<212> Type : PRT

<211> Length : 1045

SequenceName : 2778

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
ccggtgcagg cggcttacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
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 2040
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 2100
 ttccccaagg tgcgggcctg gatagaaaag accctggagg aggggaggaa gcggggctac
 2160
 gtggaaaccc tcttcggaag aaggcgctac gtgcccgacc tcaacgccc ggtgaagagc
 2220
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 2280
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 2340
 ctcctccagg tcgccaacga gctcctcctg gaggcccccc aagcgcgggc cgaggaggtg
 2400
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 2460
 gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
 2517

<212> Type : DNA
 <211> Length : 2517
 SequenceName : 2779
 SequenceDescription :

Custom Codon

Sequence Name : 2779

Sequence

<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
 MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAG SLLKALKEDG
 60
 DAVIVVFDAG APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYDAD
 120
 DVLASLAKKA EKEGYEVRII TADKDLQQL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
 180
 ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
 240
 KLSWDLAKVR TDLPLEVDFA KRREPDRELR RAFLERLEFG SLLHEFGLE SPKALEEAPW
 300
 PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
 360
 ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
 420
 LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
 480
 HPFNLNSRDQ LERVLFDLRL LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
 540
 KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
 600
 AEAGWALVAL DYSQIELRVL AHLGSDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
 660
 RAAKTVNFGV LYGMSAHLRS QELAIPEEA VAFIERFQS FPKVRAWIEK TLEEGRKRGY
 720
 VETLFGRRRY VPDNLARVKS VREAERMAF NMPVQGTAD LMKLAMVKLF PRLREMGARM
 780

LLQVANELLL EAPQARAEEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2780
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSTPLFDLE EPPKRVLLVD GHHLAYRTFY ALSLTTSRGE PVQMVYGFAR SLLKALKEDG
60
QAVVVVFDK APSFRHEAYE AYKAGRPTP EDFPRQLALV KRLVDLLGFT RLEAPGYEAD
120
DVLGTLAKKA EREGMEVRIL TGDRDFFQLL SEKVSVLLPD GTLVTPKDVQ EKYGVPPERW
180
VDFRALTGDR SDNIPGVAGI GEKTALRLLA EWGSVENLLK NLDRVKPSL RRKIEAHLED
240
LHLSLDLARI RTDLPLEVDF KALRRRTPDL EGLRAFLEEL EFGSLLHEFG LLGGEKPREE
300
APWPPPEGAF VGFLLSRKEP MWAELLALAA ASGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEELK LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIER YFQSFPKVRAW IEKTLEEGRK
720
RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRLREMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH

842
<212> Type : PRT
<211> Length : 842
SequenceName : 2781
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSLPLFEPK GRVLLVDGHH LAYRTFFALK GLTTSRGE PV QAVYGFAXSL LKALREDGDV
60
VIVVFDKAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGFTRL EVPGFEADDV
120
LATLAKKAEK EGYEVRILTA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLKPSQWVD
180
YRALAGDPSD NIPGVKGIGE KTAACLIREW GSLENLLKHL EQVKPASVRE KILSHMEDLK
240
LSLELSRVHT DLLLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLS PVAAEEAPWP
300

PPEGAFVGYV LSRPEPMWAE LNALAAWGG RVHRAADPLA GLKDLKEVRG LLAKDLAVLA
360
SREGLDLVPD DDPMLLAYLL GPSNTTPEGV ARRYGGEWTE DAAHRALLSE RLHRNLLKRL
420
EGEEKLLWLY HEVEKPLSRV LAHMEATGVR LDVAYLQALS LELAEERRL EEEVFRLAGH
480
PFNLNSRDQL ERVLFDELRL PALKKTKKTG KRSTSAAVLE ALREAHPIVE KILQHRELTK
540
LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRSSSDPN LQNIPVRTPL GQRIRRAFVA
600
EAGWALVALD YSQIELRVLA HLSGDNELIR VFQEGKDIHT QTASWMFGVP PEAVDPLMRR
660
AAKTVNFGVL YGMSAHRSLQ ELAIPYEEAV AFIERYFQSF PKVRAWIEKT LEEGRKRGYV
720
ETLFGRRRYV PDLNARVKS SV REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
780
LQVANELLE APQARAEVA ALAKEAMEKA YPLAVPLEVE VGMGEDWLSA KGHHHHHH
838.

<212> Type : PRT
<211> Length : 838
SequenceName : 2782
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSEAMLPLF EPKGRVLLVD GHHLAYRTFF ALKGLTTSRG EPVQAVYGFA KSLLKALKED
60
GYKAVFVVD AEAPSRHEA YEAYKAGRAP TPEDFPRQLA LIKELVDLLG FTRLEVPGYE
120
ADDVLATLAK KAEKEGYEVR ILTADRDLQ LVSDRVAVLH PEGHLITPEW LWEKYGLRPE
180
QWVDFRALVG DPSDNLPGVK GIGECTALKL LKEWGSLENL LKNLDRVKPE NVREKIKAHL
240
EDRLSLELS RVRTDPLEV DLAQGREPDR EGLRAFLERL EFGSLLHEFG LLEAPAPLEE
300
APWPPPEGAF VGFVLSRPEP MWAEKALAA CRGGRVHRAA DPLAGLKDLK EVRGLLAKDL
360
AVLASREGLD LVPDGPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
420
LKRLEGEEKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
480
LAGHPFNLNS RDQLERVLFD ELRLPALKKT KKTGKRSTSA AVLEALREAH PIVEKILQHR
540
ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
600
AFVAEAGWAL VALDYSQIEL RVLHLGSGDE NLIRVFQEGK DIHTQTASWM FGVPPEAVDP
660
LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRAW IEKTLEEGRK
720
RGYVETLFG RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKAMV KLFPRLEMG
780
ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
840
HH
842

<212> Type : PRT
<211> Length : 842
SequenceName : 2783

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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120
ccggtgcagg cggctctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
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240
gggtacaagg cgggccgggc ccccacgccg gaggactttc cccggcaact cgccctcatc
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420
accgccgaca aagaccttta ccagctcctt tccgaccgca tccacgtcct ccaccccag
480
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1020
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1560
gaggccctac gggaggccca cccatcgtg gagaagatcc tccagcaccg ggagctcacc
1620
aagctcaaga acacctacgt ggacccccct ccaagcctcg tccaccogag gacgggcccg

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1680
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2400
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2517

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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2784
      SequenceDescription :

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Custom Codon

Sequence Name : 2784

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
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DAVIVVFDAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGLA RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRI L TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL R LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540

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1260
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2520
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2526

<212> Type : DNA

<211> Length : 2526

SequenceName : 2786

SequenceDescription :

Custom Codon

Sequence Name : 2786

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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60

QAVVVVFDAE APSFRHEAYE AYKAGRPTP EDFPRQLALV KRLVDLLGLV RLEAPGYEAD

120
 DVLGTLAKKA EREGMEVRIL TGDRDFFQLL SEKVSVLLPD GTLVTPKDVQ EKYGVPPERW
 180
 VDFRALTGDR SDNIPGVAGI GEKTALRLLA EWGSVENLLK NLDRVKPSL RRKIEAHLED
 240
 LHLSDLARI RTDLPLEVDF KALRRRTPD L EGLRAFLEEL EFGSLLHEFG LLGGEKPREE
 300
 APWPPPEGAF VGFLLSRKEP MWAELLALAA ASGGRVHRAA DPLAGLKDLK EVRGLLAKDL
 360
 AVLASREGLD LVPGDDPMLL AYLLGPSNTT PEGVARRYGG EWTEDAAHRA LLSERLHRNL
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 LKRLEGECKL LWLYHEVEKP LSRVLAHMEA TGVRLDVAYL QALSLELAEE IRRLEEEVFR
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 540
 ELTKLKNTYV DPLPSLVHPR TGR LHTRFNQ TATATGRLSS SDPNLQNIPV RTPLGQRIRR
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 AFVAEAGWAL VALDYSQIEL RVLAHLSGDE NLIRVFQEGK DIHTQTASWM FGVPPPEAVDP
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 LMRRAAKTVN FGVLYGMSAH RLSQELAIPY EEAVAFIERY FQSFPKVRW IEKTLEEGRK
 720
 RGYVETLFR RRYVPDLNAR VKSVREAAER MAFNMPVQGT AADLMKLMV KLFPRRLREMG
 780
 ARMLLQVANE LLEAPQARA EEVAALAKEA MEKAYPLAVP LEVEVGMGED WLSAKGHHHH
 840
 HH
 842

<212> Type : PRT

<211> Length : 842

SequenceName : 2787

SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 120
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 180
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1920
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gagcttgcca tcccctacga ggaggcgggtg gcctttatag agcgctactt ccaaagcttc
2100
cccaaggtgc gggcctggat agaaaagacc ctggaggagg ggaggaagcg gggctacgtg
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2514

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<212> Type : DNA

<211> Length : 2514
SequenceName : 2788
SequenceDescription :

Custom Codon

Sequence Name : 2788

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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60
VIVVFDAEAP SFRHQTYEAY KAGRPTPED FPRQLALIKE MVDLLGLERL EVPGFEADDV
120
LATLAKKAEK EGYEVRIITA DRDLYQLLSE RISILHPEGY LITPEWLWEK YGLKPSQWVD
180
YRALAGDPSD NIPGVKGIGE KTAAKLIREW GLENLLKHL EQVKPASVRE KILSHMEDLK
240
LSLELSRVHT DILLQVDFAR RREPDRGLK AFLERLEFGS LLHEFGLLES PVAAEEAPWP
300
PPEGAFVGYV LSRPEPMWAE LNALAAWGG RVHRAADPLA GLKDLKEVRG LLAKDLAVLA
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420
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480
PFNLNSRDQL ERVLFDELRL PALKKTCKTG KRSTSAAVLE ALREAHPIVE KILQHRELT
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LKNTYVDPLP SLVHPRTGRL HTRFNQTATA TGRLSSSDPN LQNIPVRTPL GQIRIRAFVA
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720
ETLFGRRRYV PDLNARVKS V REAAERMAFN MPVQGTADL MKLAMVKLFP RLREMGARML
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838

<212> Type : PRT

<211> Length : 838
SequenceName : 2789
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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1740

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<212> Type : DNA

<211> Length : 2520

SequenceName : 2792

SequenceDescription :

Custom Codon

Sequence Name : 2792

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 GDAVIVVFDA EAPSRHEAY GGYKAGRAPT PEDFPRQLAL IKELVDLLGF TRLEVPGYEA
 120
 DDVLASLAKK AEKEGYEVRI LTADKDLYQL LSDRIHVLHP EGYLITPAWL WEKYGLRPDQ
 180
 WADYRALTGD ESDNLPGVKG IGEKTARKLL EEWGSLEALL KNLDRLKPAI REKILAHMDD
 240
 LKLSWDLAKV RTDLPLEVDF AKRREPDRER LRAFLERLEF GSLLHEFGLL ESPKALEEAP
 300
 WPPPEGAFVG FVLSRKEPMW ADLLALAAAR GGRVHRAADP LAGLKDLKEV RGLLAKDLAV
 360
 LASREGLDLV PGDDPMLLAY LLGPSNTTPE GVARRYGGEW TEDAAHRALL SERLHRNLLK
 420
 RLEGEKLLW LYHEVEKPLS RVLAHMEATG VRLDVAYLQA LSLELAEEIR RLEEEVFRLA
 480
 GHPFNLNSRD QLERVLFDEL RLPALKKTKK TGKRSTSAAV LEALREAHPI VEKILQHREL
 540
 TKLKNTYVDP LPSLVHPTG RLHTRFNQTA TATGRLSSSD PNLQNIPVRT PLGQIRIRAF
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 VAEAGWALVA LDYSQIELRV LAHLSGDENL IRVFQEGKDI HTQTASWMFG VPPEAVDPLM

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2794

SequenceDescription :

Custom Codon

Sequence Name : 2794

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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DAVIVVFDAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD

120

DVLASLAKKA EKEGYEVRII TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW

180

ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL

240
 KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
 300
 PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
 360
 ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
 420
 LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
 480
 HPFNLNSRDQ LERVLFDLR LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
 540
 KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
 600
 AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
 660
 RAAKTVNFGV LYGMSAHRIS QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
 720
 VETLFGRRRY VPDLNARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLREMGARM
 780
 LLQVANELL EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
 839

<212> Type : PRT
 <211> Length : 839
 SequenceName : 2795
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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2517

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<212> Type : DNA

<211> Length : 2517

SequenceName : 2796

SequenceDescription :

Custom Codon

Sequence Name : 2796

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
DVLASLAKKA EKEGYEVRII TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
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PPPEGAFFVF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGWT EDAAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRIS QELAIPEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
720
VETLFGRRRY VPDNLARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLREMGARM
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839

<212> Type : PRT
<211> Length : 839
SequenceName : 2797
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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 1920
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 1980
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 2100
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 2160
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 2220
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 2280
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2340
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2400
gcggcttttg ccaaggaggc catggagaag gcctatcccc tcgccgtgcc cctggaggtg
2460
gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2798
SequenceDescription :

Custom Codon

Sequence Name : 2798

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
120
DVLATLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLL E SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEW T EDAHRALLS ERLHRNLLKR
420
LEGEELKLLW YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFD ELR LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRLS QELAIPEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRKY
720
VETLFGRRRY VPD LNARVKS VREAAERMAF NMPVQGTAA D LMKLAMVKLF PRLREMGARM
780
LLQVANELL L EAPQARAEEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2799
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
atgaattcgg ggatgctgcc cctctttgag cccaagggcc gggtcctcct ggtggacggc
60

caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccggggggag
 120
 ccggtgcagg cggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
 180
 gacgcggtga tcgtggtctt tgacgcccag gccccctcct tccgccacga ggcctacggg
 240
 ggggtacaagg cgggccgggc cccacgcgcg gaggactttc cccggcaact cgcctcatc
 300
 aaggagctgg tggacctcct ggggttcacg cgcctcgagg tcccgggcta cgaggcggac
 360
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 420
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 480
 gggtagctca tcaccccggc ctggcttttg gaaaagtacg gcctgaggcc cgaccagtgg
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1920
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 2100
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 2160
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 2220
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 2280
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 2340
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 2400
 gcggctttgg ccaaggaggc catggagaag gcctatcccc tcgccgtgcc cctggaggtg
 2460
 gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
 2517

<212> Type : DNA
 <211> Length : 2517
 SequenceName : 2800
 SequenceDescription :

Custom Codon

Sequence Name : 2800

Sequence

<213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 60
 DAVIVVFDAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
 120
 DVLASLAKKA EKEGYEVRI L TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
 180
 ADYRALTGDE SDNLPGVKGI GEKTALKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
 240
 KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLE SPKALEEAPW
 300
 PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
 360
 ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRALLS ERLHRNLLKR
 420
 LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
 480
 HPFNLNSRDQ LERVLFDEL R LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
 540
 KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
 600
 AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
 660
 RAAKTVNFGV LYGMSAHR L S QELAIPIYEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
 720
 VETLFGRRRY VPD LNARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLREMGARM
 780

LLQVANELLL EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2801
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
atgaattcgg ggatgctgcc cctctttgag cccaagggcc gggtcctcct ggtggacggc
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caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccggggggag
120
ccggtgcagg cggcttacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccgag gccccctcct tccgccacga ggcctacggg
240
gggtacaagg cgggccgggc cccacgccg gaggactttc cccggcaact cgccctcatc
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360
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420
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480
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1500
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2280
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2340
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2400
gcggctttgg ccaaggaggc catggagaag gcctatcccc tcgccgtgcc cctggaggtg
2460
gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
2517

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<212> Type : DNA
<211> Length : 2517
      SequenceName : 2802
      SequenceDescription :

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Custom Codon

Sequence Name : 2802

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
MNSGMLPLFE PKGRVLLVDG HHLAYRTFHA LKGLTTSRGE PVQAVYGFAK SLLKALKEDG
60
DAVIVVFDAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDREGL KAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360

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ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEW EDAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDLR LPALKKTKKT GKRSTSAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNPVRTP LGQIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRSL QELAIPEEA VAFIERFQS FPKVRAWIEK TLEEGRKRGY
720
VETLFGRRRY VPDLNARVKS VREAERMAF NMPVQGTAD LMKLAMVKLF PRLREMGARM
780
LLQVANELL L EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2803
      SequenceDescription :

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Sequence

```

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccggggggag
120
ccggtgcagg cgggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccgag gccccctcct tccgccacga ggcctacggg
240
gggtacaagg cgggccgggc cccacgccg gaggactttc cccggcaact cgccctcatc
300
aaggagctgg tggacctcct ggggttcacg cgctcagagg tcccgggcta cgaggcggac
360
gacgtcctgg ccagcctggc caagaaggcg gaaaaggagg gctacgaggt ccgcctcctc
420
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480
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1080
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 2280
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 2400
 gcggctttgg ccaaggaggc catggagaag gcctatcccc tcgccgtgcc cctggaggtg
 2460
 gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
 2517

<212> Type : DNA
 <211> Length : 2517
 SequenceName : 2804
 SequenceDescription :

Custom Codon

Sequence Name : 2804

Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFDAA APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLG GEKPREEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEW EDAHRALLS ERLHRNLLKR
420
LEGEEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDEL RLPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPV RTP LGQRIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRIS QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEEGRKRGY
720
VETLFGRRRY VPDLNARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLREMGARM
780
LLQVANELL L EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHHH
839

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<212> Type : PRT
<211> Length : 839
      SequenceName : 2805
      SequenceDescription :

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Sequence

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<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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120
ccggtgcagg cggtctacgg cttcgccaag agcctcctca aggcctcaa ggaggacggg
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gacgcggtga tcgtggtctt tgacgccgag gccccctcct tccgccacga ggcctacggg
240
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gacgtcctgg ccagcctggc caagaaggcg gaaaaggagg gctacgaggt ccgcctcctc
420
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480
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540
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1920
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2220
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2280
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2460

gaggtgggga tgggggagga ctggctttcc gccaaagggtc accaccacca ccaccac
2517

<212> Type : DNA
<211> Length : 2517
SequenceName : 2806
SequenceDescription :

Custom Codon

Sequence Name : 2806

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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DAVIVVFDAE APSFRHEAYG GYKAGRAPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLE EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAACRG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAHRALLS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRSL QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEGRKRGY
720
VETLFGRRRY VPDLNARVKS VREAAERMAF NMPVQGTAA LMKLAMVKLF PRLREMGARM
780
LLQVANELL L EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

<212> Type : PRT
<211> Length : 839
SequenceName : 2807
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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caccacctgg cctaccgcac cttccacgcc ctgaagggcc tcaccaccag ccggggggag
120
ccggtgcagg cgggtctacgg cttcgccaag agcctcctca aggccctcaa ggaggacggg
180
gacgcggtga tcgtggtctt tgacgccgag gccccctcct tccgccacga ggcctacggg

240
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 420
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 480
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2517

<212> Type : DNA

<211> Length : 2517

SequenceName : 2808

SequenceDescription :

Custom Codon

Sequence Name : 2808

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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DAVIVVFAE APSFRHEAYG GYKAGRPTP EDFPRQLALI KELVDLLGFT RLEVPGYEAD
120
DVLASLAKKA EKEGYEVRIL TADKDLYQLL SDRIHVLHPE GYLITPAWLW EKYGLRPDQW
180
ADYRALTGDE SDNLPGVKGI GEKTARKLLK EWGSLEALLK NLDRLKPAIR EKILAHMDDL
240
KLSWDLAKVR TDLPLEVDFA KRREPDRERL RAFLERLEFG SLLHEFGLLE SPKALEEAPW
300
PPPEGAFVGF VLSRKEPMWA DLLALAAARG GRVHRAADPL AGLKDLKEVR GLLAKDLAVL
360
ASREGLDLVP GDDPMLLAYL LGPSNTTPEG VARRYGGEWT EDAAHRAILS ERLHRNLLKR
420
LEGEKLLWL YHEVEKPLSR VLAHMEATGV RLDVAYLQAL SLELAEEIRR LEEEVFRLAG
480
HPFNLNSRDQ LERVLFDELRL LPALKKTKKT GKRSTSAAVL EALREAHPIV EKILQHRELT
540
KLKNTYVDPL PSLVHPRTGR LHTRFNQTAT ATGRLSSSDP NLQNIPVRTP LGQRIRRAFV
600
AEAGWALVAL DYSQIELRVL AHLSGDENLI RVFQEGKDIH TQTASWMFGV PPEAVDPLMR
660
RAAKTVNFGV LYGMSAHRIS QELAIPYEEA VAFIERYFQS FPKVRAWIEK TLEGRKRGY
720
VETLFGRRRY VPDNLNARVKS VREAAERMAF NMPVQGTAD LMKLAMVKLF PRLREMGARM
780
LLQVANELL L EAPQARAEV AALAKEAMEK AYPLAVPLEV EVGMGEDWLS AKGHHHHHH
839

<212> Type : PRT

<211> Length : 839

SequenceName : 2809
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
<400> PreSequenceString :
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 2460
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 2520

<212> Type : DNA

<211> Length : 2520

SequenceName : 2810

SequenceDescription :

Custom Codon

Sequence Name : 2810

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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 60
 GDAVIVVFDA EAPSRHEAY GGYKAGRPT PEDFPRQLAL IKELVDLLGF TRLEVPGYEA
 120
 DDVLATLAKK AEKEGYEVRI LTADKDLYQL LSDRIHVLHP EGYLITPAWL WEKYGLRPDQ
 180
 WADYRALTGD ESDNLPGVKG IGEKTALKLL EEWGSLEALL KNLDRLKPAI REKILAHMDD
 240
 LKLSWDLAKV RTDLPLEVDF AKRREPDREG LKAFLERLEF GSLLHEFGLL GGEKPREEAP
 300
 WPPPEGAFVG FVLSRKEPMW ADLLALAACR GGRVHRAADP LAGLKDLEKEV RGLLAKDLAV
 360
 LASREGLDLV PGDDPMLLAY LLGPSNTTPE GVARRYGGEW TEDAAHRALL SERLHRNLLK
 420
 RLEGEKLLW LYHEVEKPLS RVLAHMEATG VRLDVAYLQA LSLELAEEIR RLEEEVFRLA
 480
 GHPFNLNSRD QLERVLFDEL RLPALKKTKK TGKRSTSAAV LEALREAHPI VEKILQHREL

540
 TKLKNTYVDP LPSLVHPRTG RLHTRFNQTA TATGRLSSSD PNLQNIPTVT PLGQRIRRAF
 600
 VAEAGWALVA LDYSQIELRV LAHLSGDENL IRVFQEGKDI HTQTASWMFG VPPEAVDPLM
 660
 RRAAKTVNFG VLYGMSAHLR SQELAIPYEE AVAFIERYFQ SFPKVRAWIE KTLLEGRKRG
 720
 YVETLFGRRR YVPDLNARVK SVREAAERMA FNMPVQGTAA DLMKLAMVKL FPRLREMGAR
 780
 MLLQVANELL LEAPQARAEE VAALAKEAME KAYPLAVPLE VEVGMGEDWL SAKGHHHHHH
 840

<212> Type : PRT
 <211> Length : 840
 SequenceName : 2811
 SequenceDescription :

Sequence

 <213> OrganismName : Artificial Sequence
 <400> PreSequenceString :
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 420
 ctcaccgccg acaaagacct ttaccagctc ctttccgacc gcatccacgt cctccacccc
 480
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<212> Type : DNA
<211> Length : 2520
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      SequenceDescription :

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Custom Codon

Sequence Name : 2812

Sequence

<213> OrganismName : Artificial Sequence

<400> PreSequenceString :

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DDVLATLAKK AEKEGYEVRI LTADKDLYQL LSDRIHVLHP EGYLITPAWL WEKYGLRPDQ
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WADYRALTGD ESDNLPGVKG IGEKTALKLL KEWGSLEALL KNLDRLKPAI REKILAHMDD
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<212> Type : PRT
<211> Length : 840
SequenceName : 2813
SequenceDescription :

Sequence

<213> OrganismName : Artificial Sequence
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